

Claims

1. Combination comprising, on the one hand, an adjustable foot for setting up equipment in alignment and, on the other hand, a tool for setting the height of the adjustable foot,

wherein the adjustable foot comprises:

- a first adjustable part provided with an axial bore with internal screw thread;
- a second adjustable part provided with external screw thread matching the internal screw thread, which second adjustable part, when screwed into the bore, can be adjusted in the axial direction with respect to the first adjustable part by turning with respect to the first adjustable part and which second adjustable part is provided with at least one hole that runs axially;
- a support part, provided on the first adjustable part or second adjustable part, and a washer, wherein the washer and the support part are each provided with a convex, respectively, concave surface having essentially the same radius of curvature, such that the angle of the washer can be adjusted with respect to the support part characterised in that

the tool has an insertion end that can be inserted into the hole in the axial direction and wherein the insertion end is provided with gripper means that are so equipped that, when they engage on the interior of the hole and the insertion end is rotated about the axial axis, the second adjustable part also turns.

2. Combination according to Claim 1, wherein the gripper means are equipped to engage on the interior peripheral surface of the hole.

3. Combination according to one of the preceding claims, wherein the gripper means comprise driver members that are able to move back and forth in the radial direction and are fitted distributed around the periphery of the insertion part, which driver members are connected via transmission means to operating means for radially expanding and retracting the driver members for engaging on the hole, which operating means are provided on the tool and are located outside the hole when the insertion end has been inserted into the hole.

4. Combination according to Claim 3, wherein the hole has a circular peripheral shape and wherein the driver members are clamping members for clamping engagement on the interior peripheral surface of the hole.

5. Combination according to Claim 2, wherein the hole at least partially has a non-circular peripheral shape and wherein the gripper means have a gripper head that can be accommodated with a tight fit in the non-circular section of the hole.

6. Combination according to one of Claims 1 - 5, wherein the tool furthermore  
5 comprises a tensioning pin with a tensioning member that is able to move along it, wherein the tool has a first and second support part for the gripper means at the insertion end, wherein the tensioning pin is actively connected to the second support part and the tensioning member is actively connected to the first support part and wherein the gripper means are supported by the first and second support part in such a way that the gripper  
10 means undergo a radial movement when the first and second support parts are moved axially with respect to one another.

7. Combination according to Claim 6, wherein the gripper means comprise fingers that run axially, between which one end of the anchor pin can be accommodated, wherein the hole is an axial opening through the second adjustable part, wherein the axial opening  
15 has a broadened zone that extends from one end of the axial opening in the axial direction and that has a cross-sectional shape which is larger than the cross-sectional shape of the anchor pin to such an extent that the fingers can be inserted therein with one end of the anchor pin between them.

8. Adjustable foot according to one of the preceding claims, wherein the top of the  
20 second adjustable part comprises the support part.

9. Adjustable foot according to one of the preceding claims, wherein the support part is located completely within a contour determined by the diameter of the external screw thread.

10. Adjustable foot according to Claim 1, wherein the support part is at least  
25 partially, preferably completely, sunken in a zone of the second adjustable part that is surrounded by the external screw thread.

11. Adjustable foot according to one of the preceding claims, wherein, viewed in the axial direction, the height of the second adjustable part is less than or equal to the height of the first adjustable part and wherein, viewed in the radial direction, the dimensions of the  
30 second adjustable part are completely within the contour determined by the external screw thread.

12. Adjustable foot according to one of the preceding claims, wherein the external diameter of the washer is at most equal to the external diameter of the second adjustable part.

5 13. Adjustable foot according to one of the preceding claims, wherein the support part has a concave surface and the washer a convex surface.

14. Adjustable foot according to one of the preceding claims, wherein the second adjustable part and the washer are provided with an axial opening for an anchor bolt.

10 15. Adjustable foot according to one of the preceding claims, wherein the axial opening through the washer has a diameter that is approximately 32 to 48 % larger than the diameter of the axial opening through the second adjustable part.

15 16. Adjustable foot according to one of the preceding claims, wherein the axial length of the second adjustable part is equal to or less than the axial height of the first adjustable part and wherein the second adjustable part is provided with external screw thread along its entire axial length and/or the internal screw thread of the axial bore extends over the entire axial height of the first adjustable part.

17. Combination of an adjustable foot according to one of the preceding claims, a substructure, equipment set up in alignment on said substructure, and an anchor bolt, wherein the equipment is anchored to the substructure by means of the anchor bolt, with the adjustable foot between them.

20 18. Combination according to Claim 15, wherein a bottom surface of the first adjustable part rests on the substructure and wherein the equipment is in contact with the washer or with the cap which, in turn, is in contact with the washer.

19. Use of a tool as defined in one of Claims 1 - 7 for setting the height of an adjustable foot as defined in one of the preceding claims.